

AMENDMENTS TO THE SPECIFICATION

Please replace the sequence listing previously submitted and replace with the sequence listing submitted on compact disc enclosed herewith.

In the specification at page 1, after the paragraphs cross-referencing the related applications that were added in the Amendment dated October 10, 2007, please insert the following new paragraphs:

SUBMISSION ON COMPACT DISC

The contents of the following submission on compact discs are incorporated herein by reference in its entirety: two copies of the Sequence Listing (COPY 1 and COPY 2) and a computer readable form copy of the Sequence Listing (CRF COPY), all on compact disc, each containing: file name: Sequence Listing - 13173-00004-US, date recorded: December 11, 2007, size: 364 KB.

In the specification at page 1, line 4, please delete the heading "Description" and replace it with the following heading:

-- BACKGROUND OF THE INVENTION --

In the specification at page 2, before line 1, please insert the following new heading:

-- BRIEF SUMMARY OF THE INVENTION --

In the specification at page 2, line 7, please insert the following new paragraphs:

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 shows the nucleotide sequence comparison between KETO2 (SEQ ID NO: 22) and X86782 (SEQ ID NO: 1).

Figure 2 shows the protein sequence comparison between KETO2 (SEQ ID NO: 23) and X86782 (SEQ ID NO: 2).

Figure 3 shows the construct for the overexpression of the ketolase (β -C-4-oxygenase) protein from *H. pluvialis* using rbcS transit peptide from pea under the control of the d35S promoter (*Tagetes* transformation construct).

Figure 4 shows the construct pS5AP3PKETO2 for the overexpression of the ketolase (β -C-4-oxygenase) proteins from *H. pluvialis* using *rbcS* transit peptide from pea under the control of the AP3P promoter (*Tagetes* transformation construct).

Figure 5 shows the construct map of pJS5FNRPNOST.

Figure 6 shows the construct map of pS5AP3PNOST.

Figure 7 shows the cloning cassette for producing inverted-repeat expression cassettes for the flower-specific expression of epsilon-cyclase dsRNAs in *Tagetes erecta*.

Figure 8 shows the expression vector for the flower-specific production of dsRNA transcripts comprising 5'-terminal fragments of the epsilon-cyclase cDNA (AF251016) under the control of the AP3P promoter.

Figure 9 shows the expression vector for the flower-specific production of dsRNA transcripts comprising 5'-terminal fragments of the epsilon-cyclase cDNA (AF251016) under the control of the CHRC promoter.

Figure 10 shows the expression vector for the flower-specific production of dsRNA transcripts comprising 3'-terminal fragments of the epsilon-cyclase cDNA (AF251016) under the control of the AP3P promoter.

Figure 11 shows the inverse PCR amplicon which comprises the 312 bp fragment of the epsilon-cyclase promoter.

Figure 12 shows the TAIL PCR amplicon which comprises the 199 bp fragment of the epsilon-cyclase promoter.

Figure 13 shows the expression vector for the flower-specific production of dsRNA transcripts comprising the 312 bp promoter fragment of epsilon-cyclase under the control of the AP3P promoter.

Figure 14 shows the expression vector for the flower-specific production of dsRNA transcripts comprising the 312 bp promoter fragment of epsilon-cyclase under the control of the CHRC promoter.

Figure 15 shows the expression vector for the flower-specific production of dsRNA transcripts comprising the 312 bp promoter fragment of epsilon-cyclase under the control not only of the AP3P promoter, but also the CHRC promoter.

DETAILED DESCRIPTION OF THE INVENTION --

In the specification at page 104, line 9, please replace the paragraphs which start with "pTP09" with the following amended paragraphs:

pTP09

KpnI_GGTACCATGGCGTCTTCTTCTTCTCACTCTCTCTCAAGCTATCCTCTC
TCGTTCTGTCCCTCGCCATGGCTCTGCCTCTTCTTCTCAACTTTCCCCTTCTTCTCTCA
CTTTTCCGGCCTTAAATCCAATCCCAATATCACCACTCCCGCCGCCGTACTCCTTC
CTCCGCCGCCGCCGCCGCGTCGTAAGGTCACCGGCGATTTCGTGCCTCAGCTGCAAC
CGAAACCATAGAGAAAAGTGAAGTGCAGGATCC_BamHI (SEQ ID NO: 143)

pTP10

KpnI_GGTACCATGGCGTCTTCTTCTTCTCACTCTCTCTCAAGCTATCCTCTC
TCGTTCTGTCCCTCGCCATGGCTCTGCCTCTTCTTCTCAACTTTCCCCTTCTTCTCTCA
CTTTTCCGGCCTTAAATCCAATCCCAATATCACCACTCCCGCCGCCGTACTCCTTC
CTCCGCCGCCGCCGCCGCGTCGTAAGGTCACCGGCGATTTCGTGCCTCAGCTGCAAC
CGAAACCATAGAGAAAAGTGAAGTGCAGGATCC_BamHI (SEQ ID NO: 144)

pTP11

KpnI_GGTACCATGGCGTCTTCTTCTTCTCACTCTCTCTCAAGCTATCCTCTC
TCGTTCTGTCCCTCGCCATGGCTCTGCCTCTTCTTCTCAACTTTCCCCTTCTTCTCTCA
CTTTTCCGGCCTTAAATCCAATCCCAATATCACCACTCCCGCCGCCGTACTCCTTC
CTCCGCCGCCGCCGCCGCGTCGTAAGGTCACCGGCGATTTCGTGCCTCAGCTGCAAC
CGAAACCATAGAGAAAAGTGAAGTGCAGGATCC_BamHI (SEQ ID NO: 145)